NLSY79 CODEBOOK SUPPLEMENT MAIN FILE 1979-1998

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Table of Contents

Attachments
NLSY79 Attachment 3: 1970 & 1980 Census Industrial & Occupational Classification Codes and 1977 Department of Defense Enlisted Occupational Codes
NLSY79 Attachment 4: Fields of Study in College
NLSY79 Attachment 5: Index of Labor Unions and Employee Associations
NLSY79 Attachment 6: Other Kinds of Training Codes
NLSY79 Attachment 7: Other Certificate Codes
NLSY79 Attachment 8: Health Codes
NLSY79 Attachment 100: Geographic Regions
NLSY79 Attachment 101: Country Codes
NLSY79 Attachment 102: Federal Information Processing Standards Publication 5-1 June 15, 1970
NLSY79 Attachment 103: Religion Codes
Appendices
NLSY79 Appendix 1: Employment Status Recode Variables 1979-1998
NLSY79 Appendix 2: Total Net Family Income Variable Creation: 1979-1998
NLSY79 Appendix 3: Job Satisfaction Measures
NLSY79 Appendix 4: Job Characteristic Index 1979-1982
NLSY79 Appendix 5: Supplemental Fertility File Variables (1998)
NLSY79 Appendix 6: Urban-Rural and SMSA-Central City Variables
NLSY79 Appendix 7: Unemployment Rate
NLSY79 Appendix 8: Highest Grade Completed & Enrollment Status Variable Creation: 1990-1998
NLSY79 Appendix 9: Linking Employers Through Survey Years
NLSY79 Appendix 11: NLSY79 Round 12 (1990) Survey Administration Methods
NLSY79 Appendix 12: Most Important Job Learning Activities (1993-94)
NLSY79 Appendix 14: 1993-1998 Instrument Rosters
NLSY79 Appendix 15: Recipiency Event Histories
NLSY79 Appendix 16: 1994 Recall Experiment
NLSY79 Appendix 17: ISIS Data



NLSY79 ATTACHMENT 3: 1970 & 1980 CENSUS INDUSTRIAL & OCCUPATIONAL CLASSIFICATION CODES AND 1977 DEPARTMENT OF DEFENSE ENLISTED OCCUPATIONAL CODES

ATTACHMENT 3: INDUSTRY AND OCCUPATION CODES

This attachment contains the following three sets of coding schemes:

1970 Census 3-Digit Industry and Occupation Codes.

All occupations and industries (except military occupational specialties) are coded with 1970 codes. This is the **main** set of codes.

1980 Census 3-Digit Industry and Occupation Codes.

Beginning with the **1982** survey the respondent's current or last job only is coded with the 1980 codes in addition to the 1970 codes.

1977 Department of Defense 3-Digit Enlisted Occupational Classification System.

All military occupational specialties collected in the military section are coded with this scheme.

1970 CENSUS OF POPULATION: INDUSTRIAL CLASSIFICATION SYSTEM

("n.e.c." means "not elsewhere classified")

Code Industry

AGRICULTURE, FORESTRY, AND FISHERIES

017	Agricultural production
018	Agricultural services, except horticultural
019	Horticultural services
027	Forestry
028	Fisheries

MINING

047	Metal mining
048	Coal mining
049	Crude petroleum and natural gas extractions
057	Nonmetallic mining and quarrying, except fuel

CONSTRUCTION

067	General building contractors
068	General contractors, except building
069	Special trade contractors
077	Not specified construction

MANUFACTURING

Durable goods

Lumber and wood products, except furniture Logging Sawmills, planing mills, and mill work Miscellaneous wood products Furniture and fixtures Stone, Clay, and glass products Glass and glass products

127 Cement, Concrete, gypsum, and plaster products
 128 Structural clay products
 137 Pottery and related products
 138 Miscellaneous nonmetallic mineral and stone products

Metal industries

- Blast furnaces, steel works, rolling and finishing mills
- Other primary iron and steel industries
- 148 Primary aluminum industries
- Other primary nonferrous industries

157	Cutlery, hand tools, and other hardware
158	Fabricated structural metal products
159	Screw machine products
167	Metal stamping
168	Miscellaneous fabricated metal products
169	Not specified metal industries
	Machinery, except electrical
177	Engines and turbines
178	Farm machinery and equipment
179	Construction and material handling machines
187	Metalworking machinery
188 189	Office and accounting machines
197	Electronic computing equipment Machinery, except electrical, n.e.c.
198	Not specified machinery
	•
199	Electrical machinery, equipment and supplies Household appliances
207	Radio, T.V., and communication equipment
208	Electrical machinery, equipment, and supplies, n.e.c.
209	Not specified electrical machinery, equipment, and supplies
20)	
210	Transportation equipment
219	Motor vehicles and motor vehicle equipment
227	Aircraft and parts
228	Ship and boat building and repairing
229 237	Railroad locomotives and equipment
238	Mobile dwellings and campers Cycles and miscellaneous transportation equipment
230	• • • •
•••	Professional and photographic equipment and watches
239	Scientific and controlling instruments
247	Optical and health services supplies
248	Photographic equipment and supplies
249	Watches, clocks, and clockwork-operated devices
257	Not specified professional equipment
258	Ordnance
259	Miscellaneous manufacturing industries
	Nondurable goods
	Food and kindred products
268	Meat products
269	Dairy products
278	Canning and preserving fruits, vegetables, and sea foods
279	Grain-mill products
287	Bakery products
288	Confectionery and related products
289	Beverage industries
297	Miscellaneous food preparation and kindred products

298 299	Not specified food industries Tobacco manufactures
307 308 309 317 318	Textile mill products Knitting mills Dyeing and finishing textiles, except wool and knit goods Floor coverings, except hard surface Yarn, thread, and fabric mills Miscellaneous textile mill products
319 327	Apparel and other fabricated textile products Apparel and accessories Miscellaneous fabricated textile products
328 329 337	Paper and allied products Pulp, paper, and paperboard mills Miscellaneous paper and pulp products Paperboard containers and boxes
338 339	Printing, publishing, and allied industries Newspaper publishing and printing Printing, publishing, and allied industries, except newspapers
347 348 349 357 358 359	Chemicals and allied products Industrial chemicals Plastics, synthetics and resins, except fibers Synthetic fibers Drugs and medicines Soaps and cosmetics Paints, varnishes, and related product
367 368 369	Agricultural chemicals Miscellaneous chemicals Not specified chemicals and allied products
377 378	Petroleum and coal products Petroleum refining Miscellaneous petroleum and coal products
379 387	Rubber and miscellaneous plastic products Rubber products Miscellaneous plastic products
388 389 397	Leather and leather products Tanned, curried, and finished leather Footwear, except rubber Leather products, except footwear
398	Not specified manufacturing industries

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES

Transportation

6

407 408 409 417 418 419 427 428 429	Railroads and railway express service Street railways and bus lines Taxicab service Trucking service Warehousing and storage Water transportation Air transportation Pipe lines, except natural gas Services incidental to transportation
	<u>Communications</u>
447 448 449	Radio broadcasting and television Telephone (wire and radio) Telegraph and miscellaneous communication services Utilities and sanitary services
467 468 469 477 478 479	Electric light and power Electric-gas utilities Gas and stream supply systems Water supply Sanitary services Other and not specified utilities
WHOL	ESALE AND RETAIL TRADE
	Wholesale trade
507 508 509 527 528 529 537 538 539 557 558 559 567 568 569 587	Motor vehicles and equipment Drugs, chemicals, and allied products Dry goods and apparel Food and related products Farm productsraw materials Electrical goods Hardware, plumbing, and heating supply Not specified electrical and hardware products Machinery equipment and supplies Metals and minerals, n.e.c. Petroleum products Scrap and waste materials Alcoholic beverages Paper and its products Lumber and construction materials Wholesalers, n.e.c. Not specified wholesale trade
607 608 609	Retail trade Lumber and building material retailing Hardware and farm equipment stores Department and mail order establishments

617	Limited price variety stores
618	Vending machine operators
619	Direct selling establishments
627	Miscellaneous general merchandise stores
628	Grocery stores
629	Dairy products stores
637	Retail bakeries
638	Food stores, n.e.c.
639	Motor vehicle dealers
647	Tire, battery, and accessory dealers
648	Gasoline service stations
649	Miscellaneous vehicle dealers
657	Apparel and accessories stores, except shoe stores
658	Shoe stores
667	Furniture and home furnishings stores
668	Household appliances, T.V., and radio stores
669	Eating and drinking places
677	Drug stores
678	Liquor stores
679	Farm and garden supply stores
687	Jewelry stores
688	Fuel and ice dealers
689	Retail florists
697	Miscellaneous retail stores
698	Not specified retail trade

FINANCE, INSURANCE, AND REAL ESTATE

707	Banking
708	Credit agencies
709	Security, commodity brokerage, and investment companies
717	Insurance
718	Real estate, incl. real estate-insurance-law offices

BUSINESS AND REPAIR SERVICES

727	Advertising
728	Services to dwellings and other buildings
729	Commercial research, development, and testing lab
737	Employment and temporary help agencies
738	Business management and consulting services
739	Computer programming services
747	Detective and protective services
748	Business services, n.e.c.
749	Automobile services, except repair
757	Automobile repair and related services
758	Electrical repair shops
759	Miscellaneous repair services

PERSONAL SERVICES

769	Private households
777	Hotels and motels
778	Lodging places, except hotels and motels
779	Laundering, cleaning, and other garment services
787	Beauty shops
788	Barber shops
789	Shoe repair shops
797	Dressmaking shops
798	Miscellaneous personal services

ENTERTAINMENT AND RECREATION SERVICES

807	Theaters and motion pictures
808	Bowling alleys, billiard and pool parlors
809	Miscellaneous entertainment and recreation services

PROFESSIONAL AND RELATED SERVICES

828	Offices of physicians
829	Offices of dentists
837	Offices of chiropractors
838	Hospitals
839	Convalescent institutions
847	Offices of health practitioners, n.e.c.
848	Health services, n.e.c
849	Legal services
857	Elementary and secondary schools
858	Colleges and universities
859	Libraries
867	Educational services, n.e.c.
868	Not specified educational services
869	Museums, art galleries, and zoos
877	Religious organizations
878	Welfare services
879	Residential welfare services
887	Nonprofit membership organizations
888	Engineering and architectural services
889	Accounting, auditing, and bookkeeping services
897	Miscellaneous professional and related services

PUBLIC ADMINISTRATION

907	Postal service
917	Federal public administration
927	State public administration
937	Local public administration

1970 CENSUS OF POPULATION: OCCUPATIONAL CLASSIFICATION SYSTEM

("n.e.c." means "not elsewhere classified")

Duncan

SEI Occupation

Code Score

PROFESSIONAL, TECHNICAL, AND KINDRED WORKERS

001	77	Accountants
002	85	Architects
		Computer specialists
003	65	Computer programmers
004	65	Computer systems analysts
005	65	Computer specialists, n.e.c.
		Engineers
006	87	Aeronautical and astronautical engineers
010	90	Chemical engineers
011	84	Civil engineers
012	84	Electrical and electronic engineers
013	86	Industrial engineers
014	80	Mechanical engineers
015	83	Metallurgical and materials engineers
020	85	Mining engineers
021	81	Petroleum engineers
022	87	Sales engineers
023	87	Engineers, n.e.c.
024	83	Farm management advisors
025	48	Foresters and conservationists
026	83	Home management advisors
		Lawyers and judges
030	93	Judges
031	92	Lawyers
		Librarians, archivists, and curators
032	60	Librarians
033	75	Archivists and curators
		Mathematical specialists
034	81	Actuaries
035	80	Mathematicians
036	81	Statisticians

042	80	Agricultural scientists
043	62	Atmospheric and space scientists
044	80	Biological scientists
045	79	Chemists
051	80	Geologists
052	80	Marine scientists
053	80	Physicists and astronomers
054	77	Life and physical scientists, n.e.c.
054	, ,	The did physical scientists, incic.
055	66	Operations and systems researchers and analysts
056	84	Personnel and labor relations workers.
050	04	reisonner and idoor relations workers.
		Physicians, dentists and related practitioners
061	75	Chiropractors
062	96	Dentists
063	79	Optometrists
064	81	Pharmacists
065	92	Physicians, medical and osteopathic
071	58	Podiatrists
072	78	Veterinarians
073	58	Health practitioners, n.e.c.
		Numana distitions and thousanists
074	20	Nurses, dietitians, and therapists Dietitians
	39	
075	44	Registered nurses
076	60	Therapists
		Health technologists and technicians
080	48	Clinical laboratory technologists and technicians
081	48	Dental hygienists
082	60	Health record technologists and technicians
082	48	Radiologic technologists and technicians
084	48	Therapy assistants
085	52	Health technologists and technicians, n.e.c.
		Religious workers
086	52	Clergymen
090	57	Religious workers, n.e.c.
070	57	rengious workers, more
		Social scientists
091	74	Economists
092	81	Political scientists
093	81	Psychologists
094	81	Sociologists
095	65	Urban and regional planners
096	81	Social scientists, n.e.c.
	Ų. .	
		Social and recreational workers
100	64	Social and recreational workers Social workers
100 101	64 67	

		m 1 11 1 1 1 1	
100	0.4	Teachers, college and university	
102	84	Agriculture teachers	
103	84	Atmospheric, earth, marine and space teachers	
104	84	Biology teachers	
105	84	Chemistry teachers	
110	84	Physics teachers	
111	84	Engineering teachers	
112	84	Mathematics teachers	
113	84	Health specialties teachers	
114	84	Psychology teachers	
115	84	Business and commerce teachers	
116	84	Economics teachers	
120	84	History teachers	
121	84	Sociology teachers	
122	84	Social science teachers, n.e.c.	
123	53	Art, drama, and music teachers	
124	64	Coaches and physical education teachers	
125	84	Education teachers	
126	84	English teachers	
130	84	Foreign language teachers	
131	72	Home economics teachers	
132	84	Law teachers	
133	84	Theology teachers	
134	84	Trade, industrial, and technical teachers	
135	84	Miscellaneous teachers, college and university	
140	84	Teachers, college and university, subject not specified	
		Total and a second at Harmon I aminomite	
1.41	61	Teachers, except college and university Adult education teachers	
141 142	71		
142		Elementary school teachers	
143 144	72 70	Pre-kindergarten and kindergarten teachers	
144	62	Secondary school teachers Teachers, except college and university, n.e.e.	
143	02	Teachers, except college and university, n.e.c.	
		Engineering and science technicians	
150	62	Agriculture and biological technicians, except health	
151	62	Chemical technicians	
152	67	Draftsmen	
153	62	Electrical and electronic engineering technicians	
154	64	Industrial engineering technicians	
155	62	Mechanical engineering technicians	
156	53	Mathematical technicians	
161	48	Surveyors	
162	62	Engineering and science technicians, n.e.c.	
102	02	Engineering and science technicians, n.e.e.	
		Technicians, except health, and engineering and science	
163	79	Airplane pilots	
164	69	Air traffic controllers	
165	61	Embalmers	
170	48	Flight engineers	
171	69	Radio operators	
		•	

172	62	Tool programmers, numerical control
173	62	Technicians, n.e.c.
174	65	Vocational and educational counselors
		Writers, artists, and entertainers
175	60	Actors
180	62	Athletes and kindred workers
181	76	Authors
182	45	Dancers
183	71	Designers
184	82	Editors and reporters
185	52	Musicians and composers
190	67	Painters and sculptors
191	50	Photographers
192	82	Public relations men and publicity writers
193	65	Radio and television announcers
194	40	Writers, artists, and entertainers, n.e.c.
195	65	Research workers, not specified

MANAGERS AND ADMINISTRATORS, EXCEPT FARM

201	61	Assessors, controllers and treasurers; local public administration
202	80	Bank officers and financial managers
203	51	Buyers and shippers, farm products
205	72	Buyers, wholesale and retail trade
210	74	Credit men
211	59	Funeral directors
212	74	Health administrators
213	58	Construction inspectors, public administration
215	55	Inspectors, except construction, public administration
216	32	Managers and superintendent building
220	74	Office managers, n.e.c
221	50	Officers, pilots, and pursers; ship
222	80	Officials and administrators; public administration, n.e.c.
223	60	Officials of lodges, societies, and unions
224	61	Postmasters and mail superintendents
225	75	Purchasing agents and buyers, n.e.c
226	59	Railroad conductors
230	38	Restaurant, cafeteria, and bar managers
231	72	Sales managers and department heads, retail trade
233	74	Sales managers, except retail trade
235	78	School administrators, college
240	72	School administrators, elementary and secondary
245	62	Managers and administrators, n.e.c.

SALES WORKERS

260 66 Advertising agents and salesmen

261	40	Auctioneers
262	35	Demonstrators
264	09	Hucksters and peddlers
265	66	Insurance agents, brokers, and underwriters
266	27	Newsboys
270	62	Real estate agents and brokers
271	72	Stock and bond salesmen
280	41	Salesmen and sales clerks, n.e.c.

CLERICAL AND UNSKILLED WORKERS

301	52	Bank tellers
303	44	Billing clerks
305	51	Bookkeepers
310	44	Cashiers
311	44	Clerical assistants, social welfare
312	44	Clerical supervisors, n.e.c.
313	43	Collectors, bill and account
314	44	Counter clerks, except food
315	40	Dispatchers and starters, vehicle
320	44	Enumerators and interviewers
321	59	Estimators and investigators, n.e.c
323	44	Expediters and production controllers
325	44	File clerks
326	62	Insurance adjusters, examiners, and investigators
330	44	Library attendants, and assistants
331	53	Mail carriers, post office
332	43	Mail handlers, except post office
333	28	Messengers and office boys
334	44	Meter readers, utilities
334	44	Weter readers, utilities
		Office machine operators
341	45	Office machine operators Bookkeeping and billing machine operators
341 342	45 45	
		Bookkeeping and billing machine operators
342	45	Bookkeeping and billing machine operators Calculating machine operators
342 343	45 45	Bookkeeping and billing machine operators Calculating machine operators Computer and peripheral equipment operators
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342 343 344 345 350 355 360 361 362	45 45 45 45 45 45 44 44 45 44	Bookkeeping and billing machine operators Calculating machine operators Computer and peripheral equipment operators Duplicating machine operators Key punch operators Tabulating machine operators Office machine operators, n.e.c. Payroll and timekeeping clerks Postal clerks Proofreaders
342 343 344 345 350 355 360 361 362 363	45 45 45 45 45 45 44 45 44 68	Bookkeeping and billing machine operators Calculating machine operators Computer and peripheral equipment operators Duplicating machine operators Key punch operators Tabulating machine operators Office machine operators, n.e.c. Payroll and timekeeping clerks Postal clerks Proofreaders Real estate appraisers
342 343 344 345 350 355 360 361 362	45 45 45 45 45 45 44 44 45 44	Bookkeeping and billing machine operators Calculating machine operators Computer and peripheral equipment operators Duplicating machine operators Key punch operators Tabulating machine operators Office machine operators, n.e.c. Payroll and timekeeping clerks Postal clerks Proofreaders
342 343 344 345 350 355 360 361 362 363	45 45 45 45 45 45 44 45 44 68	Bookkeeping and billing machine operators Calculating machine operators Computer and peripheral equipment operators Duplicating machine operators Key punch operators Tabulating machine operators Office machine operators, n.e.c. Payroll and timekeeping clerks Postal clerks Proofreaders Real estate appraisers
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342 343 344 345 350 355 360 361 362 363 364	45 45 45 45 45 45 44 45 44 68 44	Bookkeeping and billing machine operators Calculating machine operators Computer and peripheral equipment operators Duplicating machine operators Key punch operators Tabulating machine operators Office machine operators, n.e.c. Payroll and timekeeping clerks Postal clerks Proofreaders Real estate appraisers Receptionists Secretaries Secretaries, legal
342 343 344 345 350 355 360 361 362 363 364	45 45 45 45 45 45 44 45 44 68 44	Bookkeeping and billing machine operators Calculating machine operators Computer and peripheral equipment operators Duplicating machine operators Key punch operators Tabulating machine operators Office machine operators, n.e.c. Payroll and timekeeping clerks Postal clerks Proofreaders Real estate appraisers Receptionists Secretaries

374	24	Shipping and receiving clerks
375	44	Statistical clerks
376	61	Stenographers
381	44	Stock clerks and storekeepers
382	63	Teacher aides, exc. school monitors
383	22	Telegraph messengers
384	47	Telegraph operators
385	45	Telephone operators
390	60	Ticket, station, and express agents
391	61	Typists
392	42	Weighers
394	44	Miscellaneous clerical workers
395	44	Not specified clerical workers

CRAFTSMEN AND KINDRED WORKERS

401	22	Automobile accessories installers
402	22	Bakers
403	16	Blacksmiths
404	33	Boilermakers
405	39	Bookbinders
410	27	Brickmasons and stonemasons
411	32	Brickmasons and stonemasons, apprentices
412	20	Bulldozer operators
413	22	Cabinetmakers
415	19	Carpenters
416	31	Carpenter apprentices
420	12	Carpet installers
421	19	Cement and concrete finishers
422	52	Compositors and typesetters
423	40	Printing trades apprentices, exc. pressmen
424	21	Cranemen, derrickmen, and hoistmen
425	40	Decorators and window dressers
426	48	Dental laboratory technicians
430	44	Electricians
431	37	Electrician apprentices
433	49	Electric power linemen and cablemen
434	55	Electrotypers and stereotypers
435	47	Engravers, exc. photoengravers
436	23	Excavating, grading, and road machine operators; exc. bulldozer
440	17	Floor layers, exc. tile setters
441	49	Foremen, n.e.c.
442	23	Forgemen and hammermen
443	18	Furniture and wood finishers
444	40	Furriers
445	25	Glaziers
446	22	Heat treaters, annealers, and temperers
450	22	Inspectors, scalers, and graders; log and lumber
452	41	Inspectors, n.e.c.

453	36	Jewelers and watchmakers
454	34	Job and die setters, metal
455	58	Locomotive engineers
456	45	Locomotive firemen
461	33	Machinists
462	41	Machinist apprentices
		Mechanics and repairmen
470	27	Air conditioning, heating, and refrigeration
471	48	Aircraft
472	19	Automobile body repairmen
473	19	Automobile mechanics
474	25	Automobile mechanic apprentices
475	27	Data processing machine repairmen
480	27	Farm implement
481	27	Heavy equipment mechanics, incl. diesel
482	27	Household appliance and accessory installers and mechanics
483	10	Loom fixers.
484	36	Office machine
485	36	Radio and television
486	21	Railroad and car shop
491	34	Mechanic, exc. auto, apprentices
492	27	Miscellaneous mechanics and repairmen
495	27	Not specified mechanics and repairmen
		1
501	19	Millers; grain, flour, and feed
502	31	Millwrights
503	12	Molders, metal
504	33	Molder apprentices
505	43	Motion picture projectionists
506	39	Opticians, and lens grinders and polishers
510	16	Painters, construction and maintenance
511	29	Painter apprentices
512	14	Paperhangers
514	43	Pattern and model makers, exc. paper
515	63	Photoengravers and lithographer
516	38	Piano and organ turners and repairmen
520	25	Plasterers
521	29	Plasterer apprentices
522	34	Plumbers and pipe fitters
523	33	Plumber and pipe fitter apprentices
525	50	Power station operators
530	46	Pressmen and plate printers, printing
531	40	Pressman apprentices
533	22	Rollers and finishers, metal
534	15	Roofers and slaters
535	33	Sheetmetal workers and tinsmiths
536	33	Sheetmetal apprentices
540	34	Shipfitters
542	12	Shoe repairmen
543	17	Sign painters and letterers
2 13	1,	2.5.1 painters and retterers

545	45	Stationary engineers
546	24	Stone cutters and stone carvers
550	34	Structural metal craftsmen
551	22	Tailors
552	49	Telephone installers and repairmen
554	49	Telephone linemen and splicers
560	28	Tile setters
561	49	Tool and die makers
562	41	Tool and die maker apprentices
563	21	Upholsterers
571	35	Specified craft apprentices, n.e.c.
572	39	Not specified apprentices
575	25	Craftsmen and kindred workers, n.e.c.
580	-4	Former members of the Armed Forces

OPERATIVES, EXCEPT TRANSPORT

601	32	Asbestos and insulation workers
602	18	Assemblers
603	11	Blasters and powdermen
604	18	Bottling and canning operatives
605	25	Chainmen, rodmen, and axmen; surveying
610	19	Checkers, examiners, and inspectors; manufacturing
611	18	Clothing ironers and pressers
612	19	Cutting operatives, n.e.c.
613	23	Dressmakers and seamstresses, except factory
614	24	Drillers, earth
615	25	Dry wall installers and lathers
620	12	Dyers
621	20	Filers, polishers, sanders, and buffers
622	18	Furnacemen, smeltermen, and pourers
623	18	Garage workers and gas station attendants
624	17	Graders and sorters, manufacturing
625	12	Produce graders and packers, except factory and farm
626	29	Heaters, metal
630	15	Laundry and dry cleaning operatives, n.e.c.
631	29	Meat cutters and butchers, exc. manufacturing
633	16	Meat cutters and butchers, manufacturing
634	18	Meat wrappers, retail trade
635	20	Metal platers
636	46	Milliners
640	16	Mine operatives, n.e.c.
641	18	Mixing operatives
642	15	Oilers and greasers, exc. auto
643	18	Packers and wrappers, except meat and product
644	18	Painters, manufactured articles
645	42	Photographic process workers
		Precision machine operatives
650	25	Drill press operatives

651	22	Grinding machine operatives
652	22	Lathe and milling machine operatives
653	21	Precision machine operatives, n.e.c.
656	19	Punch and stamping press operatives
660	20	Riveters and fasteners
661	16	Sailors and deckhands
662	05	Sawyers
663	18	Sewers and stitchers
664	09	Shoemaking machine operatives
665	24	Solderers
666	17	Stationary firemen
		Textile operatives
670	03	Carding, lapping, and combing operatives
671	21	Knitters, loopers, and toppers
672	04	Spinners twisters, and winders
673	06	Weavers
674	06	Textile operatives, n.e.c.
680	24	Welders and flamecutters
681	20	Winding operatives, n.e.c.
690	19	Machine operatives, miscellaneous specified
692	19	Machine operatives, not specified
694	19	Miscellaneous operatives
695	19	Not specified operatives
		=

TRANSPORT EQUIPMENT OPERATIVES

701	24	Boatmen and canalmen
703	34	Bus drivers
704	33	Conductors and motormen, urban rail transit
705	31	Deliverymen and routemen
706	17	Fork lift and tow motor operatives
710	03	Motormen; mine, factory, logging camp, etc.
711	19	Parking attendants
712	42	Railroad brakemen
713	44	Railroad switchmen
714	10	Taxicab drivers and chauffeurs
715	15	Truck drivers

LABORERS, EXCEPT FARM

740	17	Animal caretakers, exc. farm
750	07	Carpenters' helpers
751	07	Construction' laborers, exc. carpenter's helpers
752	11	Fishermen and oystermen
753	09	Freight and material handlers
754	08	Garbage collectors
755	11	Gardeners and groundskeepers, exc. farm
760	11	Longshoremen and stevedores

761	04	Lumbermen, raftsmen, and woodchoppers
762	17	Stock handlers
763	08	Teamsters
764	08	Vehicle washers and equipment cleaners
770	08	Warehousemen, n.e.c.
780	08	Miscellaneous laborers
785	08	Not specified 1aborers

FARMERS AND FARM MANAGERS

801	14	Farmers (owners and tenants)
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802 36 Farm managers

FARM LABORERS AND FARM FOREMEN

821	20	Farm foremen
822	06	Farm laborers, wage workers
823	17	Farm laborers, unpaid family workers
824	22	Farm service laborers, self-employed

SERVICE WORKERS, EXC. PRIVATE HOUSEHOLD

		Cleaning service workers
901	13	Chambermaids and maids, except private household
902	08	Cleaners and charwomen
903	13	Janitors and sextons
		Food service workers
910	19	Bartenders
911	11	Busboys
912	15	Cooks, except private household
913	11	Dishwashers
914	17	Food counter and fountain workers
915	16	Waiters
916	11	Food service workers, n.e.c., except private household
		** **

		H Ld
		Health service workers
921	38	Dental assistants
922	25	Health aides, exc. nursing
923	51	Health trainees
924	37	Lay midwives
925	14	Nursing aides, orderlies, and attendants
926	22	Practical nurses
		Personal service workers
931	31	Airline stewardesses

		Personal service workers
931	31	Airline stewardesses
932	19	Attendants, recreation and amusement
933	26	Attendants, personal service, n.e.c.
934	08	Baggage porters and bellhops
935	17	Barbers

940	30	Boarding and lodging housekeepers
941	08	Bootblacks
942	28	Child care workers, exc. private household
943	10	Elevator operators
944	17	Hairdressers and cosmetologists
945	31	Personal service apprentices
950	31	Housekeepers, exc. private household
952	26	School monitors
953	25	Ushers, recreation and amusement
954	11	Welfare service aides
		Protective service workers
960	18	Crossing guards and bridge tenders
961	37	Firemen, fire protection
962	18	Guards and watchmen
963	21	Marshals and constables
964	41	Policemen and detectives
965	34	Sheriffs and bailiffs

PRIVATE HOUSEHOLD WORKERS

980	07	Child care workers, private household
981	07	Cooks, private household
982	11	Housekeepers, private household
983	12	Laundresses, private household
984	07	Maids and servants, private household

SOURCES: Three-digit Industry and Occupation Codes - U.S. Bureau of the Census, 1970 Census of Population Classified Index of Industries and Occupations, U.S. Government Printing Office, Washington, D.C., 1971.

Two-digit Duncan socioeconomic index scores - Albert J. Reiss, Jr., et al., Occupations and Social Status, Free Press of Glencoe, New York, N.Y., 1961.

NOTE: The following occupation codes were used in addition to those of the 1970 Census of Population:

000 = None

590 = Current member of armed forces

990 = Same as present job

995 = Never worked/Did not work during that period

1980 CENSUS OF POPULATION: INDUSTRIAL CLASSIFICATION SYSTEM

Equivalent numeric codes follow the alphabetic codes. Either code may be used, depending on the processing method. Numbers in parentheses following the industry categories are the SIC definitions. The abbreviation "pt" means "part" and "n.e.c." means "not elsewhere classified."

Industry

Code Industry category

AGRICULTURE, FORESTRY, AND FISHERIES

- A (010) Agricultural production, crops (01)

 11 Agricultural production, livestock (02)

 020 Agricultural services, except horticultural (07, except 078)
- 021 Horticultural services (078)
- 030 Forestry (08)
- Fishing, hunting, and trapping (09)

MINING

- 040 Metal mining (10)
- 041 Coal mining (11,12)
- O42 Crude petroleum and natural gas extraction (13)
 O50 Nonmetallic mining and quarrying, except fuel (14)
- B (060) **CONSTRUCTION** (15, 16, 17)

MANUFACTURING

Nondurable goods

Food and kindred products

- Meat products (201)
- Dairy products (202)
- 102 Canned and preserved fruits and vegetables (203)
- 110 Grain mill products (204)
- 111 Bakery products (205)
- Sugar and confectionery products (206)
- Beverage industries (208)
- 121 Miscellaneous food preparations & kindred products (207, 209)
- Not specified food industries
- Tobacco manufactures (21)

Textile mill products

- 132 Knitting mills (225)
- Dyeing and finishing textiles, except wool and knit goods (226)
- 141 Floor coverings, except hard surface (227)
- 142 Yarn, thread, and fabric mills (228, 221-224)

150	Miscellaneous textile mill products (229)
151 152	Apparel and other finished textile products Apparel and accessories, except knit (231-238) Miscellaneous fabricated textile products (239)
160 161 162	Paper and allied products Pulp, paper, and paperboard mills (261-263, 266) Miscellaneous paper and pulp products (264) Paperboard containers and boxes (265)
C (171) 172	Printing, publishing, and allied industries Newspaper publishing and printing (271) Printing, publishing, and allied industries, except newspapers (272-279)
180 181 182 190 191	Chemicals and allied products Plastics, synthetics, and resins (282) Drugs (283) Soaps and cosmetics (284) Paints, varnishes, and related products (285) Agricultural chemicals (287) Industrial and miscellaneous chemicals (281, 286, 289)
200 201	Petroleum and coal products Petroleum refining (291) Miscellaneous petroleum and coal products (295, 299)
210 211 212	Rubber and miscellaneous plastics products Tires and inner tubes (301) Other rubber products, and plastics footwear and belting (302-304, 306) Miscellaneous plastics products (307)
220 221 222	Leather and leather products Leather tanning and finishing (311) Footwear, except rubber and plastic (313, 314) Leather products, except footwear (315-317, 319)
	<u>Durable goods</u>
230 231 232 241	Lumber and wood products, except furniture Logging (241) Sawmills, planing mills, and millwork (242,243) Wood buildings and mobile homes (245) Miscellaneous wood products (244,249)
242	Furniture and fixtures (25)
250 251 252	Stone, clay, glass, and concrete products Glass and glass products (321-323) Cement, concrete, gypsum, and plaster products (324, 327) Structural clay products (325)

261 262	Pottery and related products (326) Miscellaneous nonmetallic mineral and stone products (328, 329)
270	Metal industries Blast furnaces, steelworks, rolling and finishing mills (331)
271	Iron and steel foundries (332)
272	Primary aluminum industries (3334, pt 334, 3353-3355, 3361)
280	Other primary metal industries (3331-3333, 3339, pt 334, 3351, 3356, 3357, 3362, 3369,
339)	
281	Cutlery, hand tools, and other hardware (342)
282	Fabricated structural metal products (344)
290 291	Screw machine products (345) Metal forgings and stampings (346)
292	Ordnance (348)
300	Miscellaneous fabricated metal products (341, 343, 347, 349)
301	Not specified metal industries
310	Machinery, except electrical Engines and turbines (351)
311	Farm machinery and equipment (352)
312	Construction and material handling machines (353)
320	Metalworking machinery (354)
321	Office and accounting machines (357, except 3573)
322	Electronic computing equipment (3573)
331	Machinery, except electrical, n.e.c. (355, 356, 358, 359)
332	Not specified machinery
	Electrical machinery, equipment, and supplies
340	Household appliances (363)
341	Radio, TV, and communication equipment (365, 366)
342	Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)
350	Not specified electrical machinery, equipment, and supplies
	Transportation equipment
351	Motor vehicles and motor vehicle equipment (371)
352	Aircraft and parts (372)
360	Ship and boat building and repairing (373)
361	Railroad locomotives and equipment (374)
362 370	Guided missiles, space vehicles, and parts (376) Cycles and miscellaneous transportation equipment (375, 379)
370	Cycles and miscentificous transportation equipment (575, 577)
	Professional and photographic equipment, and watches
371	Scientific and controlling instruments (381, 382)
372	Optical and health services supplies (383, 384, 385)
380 381	Photographic equipment and supplies (386) Watches, clocks, and clock work operated devices (387)
382	Not specified professional equipment
302	That specifies professional equipment
390	Toys, amusement, and sporting goods (394)
391	Miscellaneous manufacturing industries (39, exc. 394)
392	Not specified manufacturing industries

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES

	Transportation
400	Railroads (40)
401	Bus service and urban transit (41, except 412)
402	Taxicab service (412)
410	Trucking service (421,423)
411	Warehousing and storage (422)
412	U.S. Postal Service (43)
120	Water transportation (44)
421	Air transportation (45)
122	Pipe lines, except natural gas (46)
132	Services incidental to transportation (47)
	Communications
140	Radio and television broadcasting (483)
441	Telephone (wire and radio) (481)
142	Telegraph and miscellaneous communication services (482, 489)
	Utilities and sanitary services
160	Electric light and power (491)
461	Gas and steam supply systems (492, 496)
162	Electric and gas, and other combinations (493)
470	Water supply and irrigation (494, 497)
47 1	Sanitary services (495)
172	Not specified utilities

WHOLESALE TRADE

Durable goods

500	Motor vehicles and equipment (501)
501	Furniture and home furnishings (502)
502	Lumber and construction materials (503)
510	Sporting goods, toys, and hobby goods (504)
511	Metals and minerals, except petroleum (505)
512	Electrical goods (506)
521	Hardware, plumbing and heating supplies (507)
522	Not specified electrical and hardware products
530	Machinery, equipment, and supplies (508)
531	Scrap and waste materials (5093)
532	Miscellaneous wholesale, durable goods (5094, 5099)
	Nondurable goods
540	Paper and paper products (511)
541	Drugs, chemicals, and allied products (512, 516)
542	Apparel, fabrics, and notions (513)
550	Groceries and related products (514)

Farm-product raw materials (515)

551

Petroleum products (517)
Alcoholic beverages (518)
Farm supplies (5191)
Miscellaneous wholesale, nondurable goods (5194, 5198, 5199)
Not specified wholesale trade

RETAIL TRADE

580	Lumber and building material retailing (521, 523)
581	Hardware stores (525)
582	Retail nurseries and garden stores (526)
590	Mobile home dealers (527)
D (591)	Department stores (531)
592	Variety stores (533)
600	Miscellaneous general merchandise stores (539)
E (601)	Grocery stores (541)
602	Dairy products stores (545)
610	Retail bakeries (546)
611	Food stores, n.e.c.(542, 543, 544, 549)
612	Motor vehicle dealers (551, 552)
620	Auto and home supply stores (553)
621	Gasoline service stations (554)
622	Miscellaneous vehicle dealers (555,556,557,559)
630	Apparel and accessory stores, except shoe (56, except 566)
631	Shoe stores (566)
632	Furniture and home furnishings stores (571)
640	Household appliances, TV, and radio stores (572, 573)
F(641)	Eating and drinking places (58)
642	Drug stores (591)
650	Liquor stores (592)
651	Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)
652	Book and stationery stores (5942, 5943)
660	Jewelry stores (5944)
661	Sewing, needlework, and piece goods stores (5949)
662	Mail order houses (5961)
670	Vending machine operators (5962)
671	Direct selling establishments (5963)
672	Fuel and ice dealers (598)
681	Retail florists (5992)
682	Miscellaneous retail stores (593, 5947, 5948, 5993, 5994, 5999)
691	Not specified retail trade

FINANCE, INSURANCE, AND REAL ESTATE

G (700)	Banking (60)
701	Savings and loan associations (612)
702	Credit agencies, n.e.c. (61, except 612)
710	Security, commodity brokerage, and investment companies (62, 67)
H (711)	Insurance (63, 64)
712	Real estate, including real estate-insurance-law offices (65,66)

BUSINESS AND REPAIR SERVICES

721	Advertising (731)
722	Services to dwellings and other buildings (734)
730	Commercial research, development, and testing labs (7391, 7397)
731	Personnel supply services (736)
732	Business management and consulting services (7392)
740	Computer and data processing services (737)
741	Detective and protective services (7393)
742	Business services, n.e.c. (732, 733, 735, 7394, 7395, 7396, 7399)
750	Automotive services, except repair (751, 752, 754)

751 Automotive repair shops (753)

752 Electrical repair shops (762, 7694)

760 Miscellaneous repair services (763, 764, 7692, 7699)

PERSONAL SERVICES

J (761)	Private households (88)
762	Hotels and motels (701)
770	Lodging places, except hotels and motels (702, 703, 704)
771	Laundry, cleaning, and garment services (721)
772	Beauty shops (723)
780	Barber shops (724)
781	Funeral service and crematories (726)
782	Shoe repair shops (725)
790	Dressmaking shops (pt 729)
791	Miscellaneous personal services (722, pt 729)

ENTERTAINMENT AND RECREATION SERVICES

800	Theaters and motion pictures (78, 792)
801	Bowling alleys, billiard and pool parlors (793)
802	Miscellaneous entertainment and recreation services (791, 794, 799)

PROFESSIONAL AND RELATED SERVICES

812	Offices of physicians (801, 803)
820	Offices of dentists (802)
821	Offices of chiropractors (8041)
822	Offices of optometrists (8042)
830	Offices of health practitioners, n.e.c. (8049)
K (831)	Hospitals (806)
832	Nursing and personal care facilities (805)
840	Health services, n.e.c. (807, 808, 809)
841	Legal services (81)
L (842)	Elementary and secondary schools (821)
M (850)	Colleges and universities (822)
851	Business, trade, and vocational schools (824)
852	Libraries (823)
860	Educational services, n.e.c. (829)

Attachment 3: 1980 Census Industrial Classification System

861	Job training and vocational rehabilitation services (833)
862	Child day care services (835)
870	Residential care facilities, without nursing (836)
871	Social services, n.e.c. (832, 839)
872	Museums, art galleries, and zoos (84)
880	Religious organizations (866)
881	Membership organizations (861-865, 869)
882	Engineering, architectural, and surveying services (891)
890	Accounting, auditing, and bookkeeping services (893)
891	Noncommercial educational and scientific research (892)
892	Miscellaneous professional and related services (899)

PUBLIC ADMINISTRATION

900	Executive and legislative offices (911-913)
901	General government, n.e.c. (919)
910	Justice, public order, and safety (92)
921	Public finance, taxation, and monetary policy (93)
922	Administration of human resources programs (94)
930	Administration of environmental quality and housing programs (95)
931	Administration of economic programs (96)
932	National security and international affairs (97)
990	INDUSTRY NOT REPORTED ¹

¹Code used when not-reported cases are not allocated.

1980 CENSUS OF POPULATION: OCCUPATIONAL CLASSIFICATION SYSTEM

Equivalent numeric codes follow the alphabetic code. Either code may be used, depending on the processing method. Numbers in parentheses following the occupation categories are the 1977 Standard Occupational Classification code equivalents. The abbreviation "pt" means "part" and "n.e.c." means "not elsewhere classified."

Occupation

Code Occupation category

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS

Executive, Administrative, and Managerial Occupations

003	Legislators (112)
004	Chief executives and general administrators, public administration (111)
005	Administrators and officials, public administration (pt 113 and 119, except 1136)
006	Administrators, protective services (pt 113)
007	Financial managers (122)
800	Personnel and labor relations managers (123)
009	Purchasing managers (124)
013	Managers, marketing, advertising, and public relations (125)
014	Administrators, education and related fields (128)
015	Managers, medicine and health (131)
016	Managers, properties and real estate (1353)
017	Postmasters and mail superintendents (1344)
018	Funeral directors (pt 1359)
019	Managers and administrators, n.e.c. (1136, 121, 126, 127, 132-139, except 1344, 1353, pt
	1359)
	Management related occupations
023	Accountants and auditors (1412)
024	Underwriters (pt 1419)
025	Other financial officers (pt 1419)
026	Management analysts (142)
027	Personnel, training, and labor relations specialists (143)
028	Purchasing agents and buyers, farm products (pt 144)
029	Buyers, wholesale and retail trade, except farm products (432)
033	Purchasing agents and buyers, n.e.c. (pt 144)
034	Business and promotion agents (145)
035	Construction inspectors (1171, 618)
036	Inspectors and compliance officers, exc. construction (1172, 147)
037	Management related occupations, n.e.c. (149)
	Professional Specialty Occupations
043	Architects (15)
	Engineers, surveyors and mapping scientists
044	Aerospace engineers (1622)

045	Metallurgical and materials engineers (1623)
046	Mining engineers (1624)
047	Petroleum engineers (1625)
048	Chemical engineers (1626)
049	Nuclear engineers (1627)
053	Civil engineers (1628)
054	Agricultural engineers (1632)
055	Electrical and electronic engineers (1633, 1636)
056	Industrial engineers (1634)
057	Mechanical engineers (1635)
058	Marine engineers and naval architects (1637)
059	Engineers, n.e.c. (1639)
063	Surveyors and mapping scientists (1642)
	Mathematical and computer scientists
064	Computer systems analysts and scientists (171)
065	Operations and systems researchers and analysts (172)
066	Actuaries (1732)
067	Statisticians (1733)
068	Mathematical scientists, n.e.c. (1739)
	Natural scientists
069	Physicists and astronomers (1842, 1843)
073	Chemists, except biochemists (1845)
074	Atmospheric and space scientists (1846)
075	Geologists and geodesists (1847)
076	Physical scientists, n.e.c. (1849)
077	Agricultural and food scientists (1853)
078	Biological and life scientists (1854, 1859)
079	Forestry and conservation scientists (1852)
083	Medical scientists (1855)
	Health diagnosing occupations
084	Physicians (261)
085	Dentists (262)
086	Veterinarians (27)
087	Optometrists (281)
088	Podiatrists (283)
089	Health diagnosing practitioners, n.e.c. (289)
	Health assessment and treating occupations
095	Registered nurses (29)
096	Pharmacists (301)
097	Dietitians (302)
	Therapists
098	Inhalation therapists (pt 303)
099	Occupational therapists (pt 303)
103	Physical therapists (pt 303)
104	Speech therapists (pt 303)
105	Therapists, n.e.c. (pt 303)

106	Physicians' assistants (304)
	Teachers, postsecondary
113	Earth, environmental, and marine science teachers (2212)
114	Biological science teachers (2213)
115	Chemistry teachers (2214)
116	Physics teachers (2215)
117	Natural science teachers, n.e.c. (2216)
118	Psychology teachers (2217)
119	Economics teachers (2218)
123	History teachers (2222)
124	Political science teachers (2223)
125	Sociology teachers (2224)
126	Social science teachers, n.e.c. (2225)
127	Engineering teachers (2226)
128	Mathematical science teachers (2227)
129	Computer science teachers (2228)
133	Medical science teachers (pt 2232)
134	Health specialties teachers (pt 2232)
135	Business, commerce, and marketing teachers (2233)
136	Agriculture and forestry teachers (2234)
137	Art, drama, and music teachers (2235)
138	Physical education teachers (2236)
139	Education teachers (2237)
143	English teachers (2238)
144	Foreign language teachers (2242)
145	Law teachers (2243)
146	Social work teachers (2244)
147	Theology teachers (2245)
148	Trade and industrial teachers (2246)
149	Home economics teachers (pt 2249)
153	Teachers, postsecondary, n.e.c. (pt 2249)
154	Postsecondary teachers, subject not specified
	Teachers, except post secondary
155	Teachers, prekindergarten and kindergarten (231)
N (156)	Teachers, elementary school (232)
P (157)	Teachers, secondary school (233)
158	Teachers, special education (235)
159	Teachers, n.e.c. (234, 239)
163	Counselors, educational and vocational (24)
	Librarians, archivists, and curators
164	Librarians (251)
165	Archivists and curators (252)
	Social scientists and urban planners
166	Economists (1912)
167	Psychologists (1915)
168	Sociologists (1916)

169 173	Social scientists, n.e.c. (1913, 1914, 1919) Urban planners (192)
174 175 176 177	Social, recreation, and religious workers Social workers (2032) Recreation workers (2033) Clergy (2042) Religious workers, n.e.c. (2049)
178 179	Lawyers and judges Lawyers (211) Judges (212)
183 184 185 186 187 188 189 193 194 195 197 198	Writers, artists, entertainers, and athletes Authors (pt 321) Technical writers (pt 321) Designers (322) Musicians and composers (323) Actors and directors (324) Painters, sculptors, craft-artists, and artist printmakers (325, pt 7263) Photographers (326) Dancers (327) Artists, performers, and related workers, n.e.c. (328, 329) Editors and reporters (331) Public relations specialists (332) Announcers (333) Athletes (34)
TECHNICAL, SALES AND ADMINISTRATIVE SUPPORT OCCUPATIONS	
	Technicians and Related Support Occupations
203 204 205 206 207 208	Health technologists and technicians Clinical laboratory technologists and technicians (362) Dental hygienists (363) Health record technologists and technicians (364) Radiologic technicians (365) Licensed practical nurses (366) Health technologists and technicians, n.e.c. (369)
	Technologists and technicians, except health
213 214 215 216 217 218	Engineering and related technologists and technicians Electrical and electronic technicians (3711) Industrial engineering technicians (3712) Mechanical engineering technicians (3713) Engineering technicians, n.e.c. (3719) Drafting occupations (3721) Surveying and mapping technicians (3722)

222	Science technicians Rielanical technicians (282)
223	Biological technicians (382)
224	Chemical technicians (3831) Science technicians in a c. (3832, 3832, 384, 380)
225	Science technicians, n.e.c. (3832, 3833, 384, 389)
	Technicians, except health, engineering, and science
226	Airplane pilots and navigators (645)
227	Air traffic controllers (391)
228	Broadcast equipment operators (392)
229	Computer programmers (3931, 3932)
233	Tool programmers, numerical control (3934)
234	Legal assistants (396)
235	Technicians, n.e.c. (399)
	Sales Occupations
243	Supervisors and proprietors, sales occupations (40, pt 4518)
	Sales occupations, business goods and services
253	Insurance sales occupations (4222)
254	Real estate sales occupations (4223)
255	Securities and financial services sales occupations (4224)
256	Advertising and related sales occupations (4253)
257	Sales occupations, other business services (4252)
258	Sales engineers (pt 16)
259	Sales representatives, mining, manufacturing, and wholesale (412, 413)
	Sales occupations, personal goods and services
263	Sales workers, motor vehicles and boats (4142, 4144)
264	Sales workers, apparel (pt 4146)
265	Sales workers, shoes (pt 4146)
266	Sales workers, furniture and home furnishings (4148)
267	Sales workers, radio, television, hi-fi, and appliances (4143, 4152)
268	Sales workers, hardware and building supplies (4153)
269	Sales workers, parts (4167)
274	Sales workers, other commodities (4145, 4147, 4154, 4156, 4159, pt 4162, 4169, 4259,
4665)	0.1 (4.4162)
275	Sales counter clerks (pt 4162)
Q (276)	
277	Street and door-to-door sales workers (4163)
278	News vendors (4165)
202	Sales related occupations
283	Demonstrators, promoters and models, sales (435)
284	Auctioneers (pt 439)
285	Sales support occupations, n.e.c. (434, 436, pt 439)
	Administrative Support Occupations, Including Clerical

303 304	Supervisors, administrative support occupations Supervisors, general office (4511-4514, 4516, pt 4518, 4519, 4529, 4537) Supervisors, computer equipment operators (4535)
305	Supervisors, financial records processing (4521, 4536)
306	Chief communications operators (4515)
307	Supervisors; distribution, scheduling, and adjusting clerks (4522-4528)
	Computer equipment operators
308	Computer operators (4852)
309	Peripheral equipment operators (4853)
D (212)	Secretaries, stenographers, and typists
R (313)	Secretaries (4612)
314	Stenographers (4613)
315	Typists (4622)
	Information clerks
316	Interviewers (4642)
317	Hotel clerks (4643)
318	Transportation ticket and reservation agents (4644)
319	Receptionists (4645)
323	Information clerks, n.e.c. (4649)
	Records processing occupations, except financial
325	Classified-ad clerks (4662)
326	Correspondence clerks (4663)
327	Order clerks (4664)
328	Personnel clerks, except payroll and timekeeping (4692)
329	Library clerks (4694)
335	File clerks (4696)
336	Records clerks (4693, 4699)
	Financial records processing occupations
S (337)	Bookkeepers, accounting, and auditing clerks (4712)
338	Payroll and timekeeping clerks (4713)
339	Billing clerks (4715)
343	Cost and rate clerks (4716)
344	Billing, posting, and calculating machine operators (486)
	Duplicating, mail and other office machine operators
345	Duplicating machine operators (4872)
346	Mail preparing and paper handling machine operators (4873)
347	Office machine operators, n.e.c. (4879)
	Communications equipment operators
348	Telephone operators (4652)
349	Telegraphers (4623)
353	Communications equipment operators, n.e.c. (4659)
	Mail and message distributing occupations

354	Postal clerks, exc. mail carriers (4723)
355	Mail carriers, postal service (4733)
356	Mail clerks, exc. postal service (4722)
357	Messengers (4732)
	Material recording, scheduling, and distributing clerks, n.e.c.
359	Dispatchers (4741)
363	Production coordinators (4742)
364	Traffic, shipping, and receiving clerks (4743)
365	Stock and inventory clerks (4744)
366	Meter readers (4745)
368	Weighers, measurers, and checkers (4746)
369	Samplers (4747)
373	Expenditures (4748)
374	Material recording, scheduling, and distributing clerks, n.e.c. (4749)
	Adjusters and investigators
375	Insurance adjusters, examiners, and investigators (4782)
376	Investigators and adjusters, except insurance (4783)
377	Eligibility clerks, social welfare (4784)
378	Bill and account collectors (4786)
	Miscellaneous administrative support occupations
379	General office clerks (4632)
383	Bank tellers (4682)
384	Proofreaders (4792)
385	Data-entry keyers (4624)
386	Statistical clerks (4717)
387	Teachers' aides (4695)
389	Administrative support occupations, n.e.c. (4787, 4799)
SERVI	CE OCCUPATIONS
	Private Household Occupations
403	Launderers and ironers (533)
404	Cooks, private household (534)
405	Housekeepers and butlers (535)
406	Child care workers, private household (536)
	, 1

404	Cooks, private nousehold (554)
405	Housekeepers and butlers (535)
406	Child care workers, private household (536)
T (407)	Private household cleaners and servants (532, 537, 539)
	Protective Service Occupations
	Supervisors, protective service occupations
413	Supervisors, firefighting and fire prevention occupations (5011)
414	Supervisors, police and detectives (5012)
415	Supervisors, guards (5013)
	Firefighting and fire prevention occupations
416	Fire inspection and fire prevention occupations (5112)

417	Firefighting occupations (5113)
418 423 424	Police and detectives Police and detectives, public service (5122) Sheriffs, bailiffs, and other law enforcement officers (5124) Correctional institution officers (5133)
425 426 427	Guards Crossing guards (5132) Guards and police, exc. public service (5134) Protective service occupations, n.e.c. (5139)
	Service Occupations, Except Protective and Private Household
433 434 U (435) 436 437 438 439 443	Food preparation and service occupations Supervisors; food preparation and service occupations (5021) Bartenders (5212) Waiters and waitresses (5213) Cooks, except short order (5214) Short-order cooks (5215) Food counter, fountain and related occupations (5216) Kitchen workers, food preparation (5217) Waiters'/waitresses' assistants' (5218) Miscellaneous food preparation occupations (5219)
445 446 447	Health service occupations Dental assistants (5232) Health aides, except nursing (5233) Nursing aides, orderlies, and attendants (5236)
448 449 V (453) 454 455	Cleaning and building service occupations, except private household Supervisors, cleaning and building service workers (5024) Maids and housemen (5242, 5249) Janitors and cleaners (5244) Elevator operators (5245) Pest control occupations (5246)
	Service Occupations, Except Protective and Private Household
456 457 458 459 463 464	Personal service occupations Supervisors, personal service occupations (5025) Barbers (5251) Hairdressers and cosmetologists (5252) Attendants, amusement and recreation facilities (5253) Guides (5254) Ushers (5255)
465 466 467 468	Public transportation attendants (5256) Baggage porters and bellhops (5258) Welfare service aides (5262) Child care workers, except private household (5263)

Personal service occupations, n.e.c. (5257, 5269)

FARMING, FORESTRY, AND FISHING OCCUPATIONS

	Farm operators and managers
W (473)	Farmers, except horticultural (5512-5514)
474	Horticultural specialty farmers (5515)
475	Managers, farms, except horticultural (5522-5524)
476	Managers, horticultural specialty farms (5525)
	Other agricultural and related occupations
	Farm occupations, except managerial
477	Supervisors, farm workers (5611)
479	Farm workers (5612-5617)
483	Marine life cultivation workers (5618)
484	Nursery workers (5619)
	Related agricultural occupations
485	Supervisors, related agricultural occupations (5621)
486	Groundskeepers and gardeners, except farm (5622)
487	Animal caretakers, except farm (5624)
488	Graders and sorters, agricultural products (5625)
489	Inspectors, agricultural products (5627)
	Forestry and logging occupations
494	Supervisors, forestry and logging workers (571)
495	Forestry workers, except logging (572)
496	Timber cutting and logging occupations (573, 579)

PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS

Mechanics and repairers

Hunters and trappers (584)

Fishers (583)

Supervisors, mechanics and repairers (66)

Fishers, hunters, and trappers

Mechanics and repairers, except supervisors

Captains and other officers, fishing vessels (582)

Vehicle and mobile equipment mechanics and repairers

X (505)	Automobile mechanics (6711)
506	Automobile mechanic apprentices (pt 6711)
507	Bus, truck, and stationary engine mechanics (6712)
508	Aircraft engine mechanics (6713)
509	Small engine repairers (6714)
514	Automobile body and related repairers (6715)
515	Aircraft mechanics, exc. engine (6716)

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516 517	Heavy equipment mechanics (6717) Farm equipment mechanics (6718)
518	Industrial machinery repairers (673)
519	Machinery maintenance occupations (674)
	Electrical and electronic equipment repairers
523	Electronic repairers, communications and industrial equipment (6751, 6753, 6755)
525	Data processing equipment repairers (6754)
526	Household appliance and power tool repairers (6756)
527	Telephone line installers and repairers (6757)
529	Telephone installers and repairers (6758)
533	Miscellaneous electrical and electronic equipment repairers (6752, 6759)
534	Heating, air conditioning, and refrigeration mechanics (676)
	Miscellaneous mechanics and repairers
535	Camera, watch, and musical instrument repairers (6771, 6772)
536	Locksmiths and safe repairers (6773)
538	Office machine repairers (6774)
539	Mechanical controls and valve repairers (6775)
543	Elevator installers and repairers (6776)
544	Millwrights (6778)
547	Specified mechanics and repairers, n.e.c. (6777, 6779)
549	Not specified mechanics and repairers
	Construction trades
	Supervisors, construction occupations
553	Supervisors; brickmasons, stonemasons, and tile setters (6012)
554	Supervisors; carpenters and related workers (6013)
555	Supervisors, electricians and power transmission installers (6014)
556	Supervisors; painters, paperhangers, and plasterers (6015)
557	Supervisors; plumbers, pipefitters, and steam fitters (6016)
558	Supervisors, n.e.c. (6011, 6018)
	Construction trades, except supervisors
563	Brickmasons and stone masons (6112, 6113)
564	Brickmason and stone mason apprentices (pt 6112-6113)
565	Tile setters, hard and soft (6114, pt 6162)
566	Carpet installers (pt 6162)
Y (567)	Carpenters (6122)
569	Carpenter apprentices (pt 6122)
573	Drywall installers (6124)
575	Electricians (6132)
576	Electrician apprentices (pt 6312)
577	Electrical power installers and repairers (6133)
579	Painters, construction and maintenance (6142)
583	Paperhangers (6143)

584	Plasterers (6144)
585	Plumbers, pipefitters, and steamfitters (6150)
587	Plumber, pipefitter, and steamfitter apprentices (pt 6150)
588	Concrete and terrazzo finishers (6163)
589	Glaziers (6164)
593	Insulation workers (6165)
594	Paving, surfacing, and tamping equipment operators (6166)
595	Roofers (6168)
596	Sheetmetal duct installers (6172)
597	Structural metal workers (6173)
598	Drillers, earth (6174)
599	Construction trades, n.e.c. (6167, 6175, 6176, 6179)
	Extractive occupations
613	Supervisors, extractive occupations (602)
614	Drillers, oil well (622)
615	Explosives workers (623)
616	Mining machine operators (624)
617	Mining occupations, n.e.c. (626)
	Precision production occupations
633	Supervisors, production occupations (pt 711, 712)
	Precision metal working occupations
634	Tool and die makers (7211)
635	Tool and die maker apprentices (pt 7211)
636	Precision assemblers, metal (7212)
637	Machinists (7213)
639	Machinist apprentices (pt 7213)
643	Boilermakers (7214)
644	Precision grinders, fitters, and tool sharpeners (7216)
645	Patternmakers and model makers, metal (7217)
646	Lay-out workers (7221)
647	Precious stones and metal workers (jewelers)(7222, 7266)
649	Engravers, metal (7223)
653	Sheet metal workers (7224)
654	Sheet metal worker apprentices (pt 7224)
655	Miscellaneous precision metal workers (7229)
	Precision woodworking occupations
656	Patternmakers and model makers, wood (7231)
657	Cabinet makers and bench carpenters (7232)
658	Furniture and wood finishers (pt 7234, pt 7756)
659	Miscellaneous precision woodworkers (pt 7234, 7239)
	Precision textile, apparel, and furnishings machine workers
666	Dressmakers (7251, pt 7752)
667	Tailors (7252)
668	Upholsterers (7253)
669	Shoe repairers (7254)

673 674	Apparel and fabric pattern makers (pt 7259) Miscellaneous precision apparel and fabric workers (pt 7259, pt 7752)
	Precision workers, assorted materials
675	Hand molders and shapers, except jewelers (7261)
676	Patternmakers, lay-out workers, and cutters (7262)
677	Optical goods workers (7264, pt 7677)
678	Dental laboratory and medical appliance technicians (7265)
679	Bookbinders (pt 7249, pt 7449)
683	Electrical and electronic equipment assemblers (7267)
684	Miscellaneous precision workers, n.e.c. (7269)
	Precision food production occupations
686	Butchers and meat cutters (7271)
687	Bakers (7272)
688	Food batchmakers (7273, 7279)
C 00	Precision inspectors, testers, and related workers
689 693	Inspectors, testers, and graders (7281) Adjusters and calibrators (7282)
093	Adjusters and Canorators (7282)
604	Plant and system operators
694	Water and sewage treatment plant operators (791)
695 696	Power plant operators (pt 793) Stationary engineers (pt 793, 7668)
699	Miscellaneous plant and system operators (792, 794, 795, 796)
077	Miscenaneous plant and system operators (772, 774, 775, 776)
OPERA	TORS, FABRICATORS, AND LABORERS
	Machine Operators, Assemblers, and Inspectors
	Machine operators and tenders, except precision
	Metalworking and plastic working machine operators
703	Lathe and turning machine set-up operators (7312)
704	Lathe and turning machine operators (7512)
705	Milling and planing machine operators (7313, 7513)
706	Punching and stamping press machine operators (7314, 7317, 7514, 7517)
707	Rolling machine operators (7316, 7516)
708	Drilling and boring machine operators (7318, 7518)
709	Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522)
713 714	Forging machine operators (7319, 7519) Numerical control machine operators (7326)
714	Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529)
717	Fabricating machine operators, n.e.c. (7339, 7539)
111	
	Metal and plastic processing machine operators
719	Molding and casting machine operators (7315, 7342, 7515, 7542)
723 724	Metal plating machine operators (7343, 7543) Heat treating equipment operators (7344, 7544)
1/4	meaning edinomeni oberators (7.344 / 7.344)

725	Miscellaneous metal and plastic processing machine operators (7349, 7549)
726 727 728 729 733	Woodworking machine operators Wood lathe, routing, and planing machine operators (7431, 7432, 7631, 7632) Sawing machine operators (7433, 7633) Shaping and joining machine operators (7435, 7635) Nailing and tacking machine operators (7636) Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)
734 735 736 737	Printing machine operators Printing machine operators (7443, 7643) Photoengravers and lithographers (7242, 7444, 7644) Typesetters and compositors (7241, 7442, 7642) Miscellaneous printing machine operators (pt 7249, pt 7449, 7649)
738 739 743 744 745 747 748 749	Textile, apparel, and furnishings machine operators Winding and twisting machine operators (7451, 7651) Knitting, looping, taping, and weaving machine operators (7452, 7652) Textile cutting machine operators (7654) Textile sewing machine operators (7655, pt 7656) Shoe machine operators (pt 7656, pt 7659) Pressing machine operators (7657) Laundering and dry cleaning machine operators (7255, 7658) Miscellaneous textile machine operators (7453, 7653, pt 7659)
753 754 755 756 757 758 759 763 764 765 766 768 769 773 774 777	Machine operators, assorted materials Cementing and gluing machine operators (7461) Packaging and filling machine operators (7462,7662) Extruding and forming machine operators (7463, 7663) Mixing and blending machine operators (7664) Separating, filtering, and clarifying machine operators (7476, 7666, 7676) Compressing and compacting machine operators (7467, 7667) Painting and paint spraying machine operators (7669) Roasting and baking machine operators, food (7472, 7672) Washing, cleaning, and pickling machine operators (7673) Folding machine operators (7474, 7674) Furnace, kiln, and oven operators, exc. food (7668, 7671, 7675) Crushing and grinding machine operators (7477, pt 7677) Slicing and cutting machine operators (7478, 7678) Motion picture projectionists (pt 7679) Photographic process machine operators (7479, 7665, pt 7679) Miscellaneous machine operators, n.e.c. (7479, 7665, pt 7679) Machine operators, not specified
783 784 785 786 787 789	Fabricators, assemblers, and hand working occupations Welders and cutters (7332, 7532, 7714) Solderers and brazers (7333, 7533, 7717) Assemblers (772, 774) Hand cutting and trimming occupations (7753) Hand molding, casting, and forming occupations (7754, 7755) Hand painting, coating, and decorating occupations (pt 7756)

793 794 795	Hand engraving and printing occupations (7757) Hand grinding and polishing occupations (7758) Miscellaneous hand working occupations (7759)
796 797 798 799	Production inspectors, testers, samplers, and weighers Production inspectors, checkers, and examiners (782, 786, 787) Production testers (783) Production samplers and weighers (784) Graders and sorters, except agricultural (785)
	Transportation and Material Moving Occupations
803 Z (804) 805 806 808 809 813 814	Motor vehicle operators Supervisors, motor vehicle operators (6311) Truck drivers, heavy (6412, 6413) Truck drivers, light (6414) Driver-sales workers (433) Bus drivers (6415) Taxi cab drivers and chauffeurs (6416) Parking lot attendants (6417) Motor transportation occupations, n.e.c. (6419)
	Transportation occupations, except motor vehicles
823 824 825 826	Rail transportation occupations Railroad conductors and yardmasters (6313) Locomotive operating occupations (6432) Railroad brake, signal, and switch operators (6433) Rail vehicle operators, n.e.c. (6439)
828 829 833 834	Water transportation occupations Ship captains and mates, except fishing boats (6441, 6442) Sailors and deckhands (6443) Marine engineers (6444) Bridge, lock and lighthouse tenders (6445)
	Material moving equipment operators
843 844 845 848 849 853 855 856 859	Supervisors, material moving equipment operators (632) Operating engineers (6512) Longshore equipment operators (6513) Hoist and winch operators (6514) Crane and tower operators (6515) Excavating and loading machine operators (6516) Grader, dozer, and scraper operators (6517) Industrial truck and tractor equipment operators (6518) Miscellaneous material moving equipment operators (6519, pt 659)

$Handlers, Equipment\ Cleaners, Helpers, and\ Laborers$

863 864	Supervisors; handlers, equipment cleaners, and laborers, n.e.c. (pt 711) Helpers, mechanics and repairers (679)
865	Helpers, construction and extractive occupations Helpers, construction trades (6191-6195, 6198)
866	Helpers, surveyor (6196)
867	Helpers, extractive occupations (629)
869	Construction laborers (81)
873	Production helpers (769, 779)
	Freight, stock, and material movers, hand
875	Garbage collectors (822)
876	Stevedores (823)
877	Stock handlers and baggers (824)
878	Machine feeders and offbearers (825)
883	Freight, stock, and material movers, hand, n.e.c. (649, 826)
885	Garage and service station related occupations (672)
887	Vehicle washers and equipment cleaners (83)
888	Hand packers and packagers (841)
889	Laborers, except construction (842, 846, pt 659)
999	OCCUPATION NOT REPORTED

¹Code used when not-reported cases are not allocated.

SOURCE: United States. Bureau of the Census. 1980 Census of Population: Alphabetic Index of Industries and Occupations. Washington, D.C.: U.S. Government Printing Office, 1981.

1977 DEPARTMENT OF DEFENSE 3-DIGIT ENLISTED OCCUPATIONAL CLASSIFICATION SYSTEM

INFANTRY, GUN CREWS AND SEAMANSHIP SPECIALISTS

Infantry

010 Infantry, General011 Special Forces

012 Military Training Instructor

Armor and Amphibious

020 Armor and Amphibious, General

Combat Engineering

030 Combat Engineering, General

Artillery/Gunnery, Rockets and Missiles

041 Artillery and Gunnery

042 Rocket Artillery

043 Missile Artillery, Operating Crew

Air Crew

050 Air Crew, General051 Pilots and Navigators

Seamanship

060 Boatswains061 Navigators

Small Boat OperatorsSeamanship, General

Installation Security

070 Security Guards

ELECTRONIC EQUIPMENT REPAIRMEN

Radio/Radar

100 Radio/Radar, General101 Communications, Radio

Navigation, Communication and Countermeasure, n.e.c.

103 Air Traffic Control Radar

104 Surveillance/Target Acquisition and Tracking Radar

Fire Control Electronic Systems (Non-missile)

111 Bomb - Navigation

112 Airborne Fire Control

Shipboard and Other Fire Control

Missile Guidance, Control and Checkout

121 Missile Guidance and Control

122 Missile Checkout Equipment, Test Equipment and Calibration

123 Torpedo

Sonar Equipment

130 Sonar, General

Nuclear Weapons Equipment

Nuclear Weapons Equipment Repair, General

ADP Computers

150 ADP Computers, General

Teletype and Cryptographic Equipment

Teletype and Cryptographic Equipment, General

Other Electronic Equipment

191 Training Devices

193 Shipboard Inertial Navigation Systems

198 Electronic Instruments, N.E.C.

COMMUNICATIONS AND INTELLIGENCE SPECIALISTS

Radio and Radio Code

201 Radio Code202 Non-Code Radio

203 Non-Radio Communications (Visual)

Sonar

210 Sonar Operator, General

Radar and Air Traffic Control

221 Radar

222 Air Traffic Control

Signal Intelligence/Electronic Warfare

230 Signal Intelligence/Electronic Warfare, General

231 Intercept (Code and Non-code)

232 Analysis

233 Electronic Countermeasures

Intelligence

241 Language Interrogation/Interpretation

242 Image Interpretation

243 Operational Intelligence

244 Counterintelligence

Combat Operations Control

250 Combat Operations Control, General

Communications Center Operations

260 Communications Center Operations, General

MEDICAL AND DENTAL SPECIALISTS

Medical Care

- 300 Medical Care and Treatment, General
- 301 Operating Room
- 302 Mental Care
- 303 Therapy
- 304 Orthopedic

Technical Medical Services

- 311 Laboratory
- 312 Pharmacy
- 313 Radiology

Related Medical Services

- 321 Food Inspection and Veterinary Services
- 322 Preventive Medical Services

Dental Care

- 330 Dental Care, General
- 331 Dental Laboratory

OTHER TECHNICAL AND ALLIED SPECIALISTS

Photography

400 Photography, General

Mapping, Surveying, Drafting, and Illustrating

- 411 Mapping
- 412 Surveying
- 413 Drafting
- 414 Illustrating

Weather

420 Weather, General

Ordnance Disposal and Diving

- 431 Explosive Ordnance Disposal/Underwater Demolition Team
- 433 Diver

Musicians

450 Musicians, General

Technical Specialists, N.E.C.

- 491 Physical Science Laboratory
- 492 Memorial Services and Embalming
- 493 Safety
- 494 Nuclear, Biological, Chemical Warfare Specialists

495	Firefighting and Damage Control
496	Other Technical Specialists and Assistants

FUNCTIONAL SUPPORT AND ADMINISTRATION

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Po	rsc	m	no	,

500	Personnel, Genera
300	reisonnei, Genera

Recruiting and Counseling

Administration

- 510 Administration, General
- 511 Stenography
- 512 Legal
- 513 Medical

Clerical/Personnel

- 520 Combined Personnel and Administration, General
- First Sergeants and Sergeants Major

Data Processing

- 531 Operators/Analysts
- 532 Programmers

Accounting, Finance and Disbursing

- 541 Auditing and Accounting
- 542 Disbursing

Other Functional Support

- 551 Supply Administration
- 552 Unit Supply
- 553 Transportation
- 554 Postal
- 555 Aviation Maintenance Records and Reports
- Flight Operations
- 557 Production and Quality Control
- 558 Functional Analysis

Religious, Morale and Welfare

- Chaplain's Assistant
- Recreation and Welfare

Information and Education

570 Information and Education, General

ELECTRICAL/MECHANICAL EQUIPMENT REPAIRMEN

Aircraft and Aircraft Related

600 Aircraft, General
601 Aircraft Engines
602 Aircraft Accessories

Wire C	ommunications
620	Wire Communications, General
621	Linemen
622	Central Office
623	Interior Communications
Missile	Mechanical and Electrical
631	Missile Engine
632	Missile Mechanic
633	Missile Launch and Support Facilities
Arman	nent and Munitions
640	Armament Maintenance, General
641	Small Arms Repair
642	Artillery Repair
643	Turret Repair
644	Nuclear Weapons Maintenance and Assembly
645	Ammunition Repair
646	Aviation ordnance
647	Mines and Degaussing
Shipbo	ard Propulsion
651	Main Propulsion
652	Auxiliaries
Power	Generating Equipment
661	Nuclear Power
662	Electric Power
Precisi	on Equipment
670	Precision Equipment, General
	Mechanical and Electrical Equipment
690	Other Mechanical and Electrical Equipment, General
	TCM (TEN)
DKAF	TSMEN

603

604

610

611

612

Automotive

Aircraft Structures

Automotive, General

Construction Equipment

Track Vehicle

Aircraft Launch Equipment

Sheetmetal

Welding Machinist

Metalworking, General

Metalworking

700 701

702 703

704 Metal Body Repair

Construction

710 Construction, General

711 Steelworking

Woodworking 712

713 Construction Equipment Operation

Utilities

720 Utilities, General

721 Electrician

Lithography

740 Lithography

Industrial Gas and Fuel Production

750 Industrial Gas and Fuel Production, General

Fabric, Leather and Rubber

760 Fabric, Leather, and Rubber, General

Other Craftsmen, N.E.C.

790 Other Craftsmen, N.E.C., General

SERVICE AND SUPPLY HANDLERS

Food Service

800 Food Service, General801 Stewards and Enlisted Aides

Motor Transport

Motor Vehicle Operators

Railway Operators

Material Receipt, Storage, and Issue

Missile Fuel and Petroleum

Warehousing and Equipment Handling

Sales Store

Law Enforcement

830 Law Enforcement, General

831 Corrections

832 Investigations

Personal Services

840 Laundry and Personal Service, General

Auxiliary Labor

850 Auxiliary Labor, General

Forward Area Equipment Support

860 Forward Area Equipment Support, General

Other Services, N.E.C.

870 Other Services, General

NON-OCCUPATIONAL

Patients and Prisoners

901 Patients902 Prisoners

Officer Candidates and Students

911 Cadets and Other Officer Candidates

912 Students

Undesignated Occupations

920 Undesignated Occupations, General

Not Occupationally Qualified

950 Not Occupationally Qualified, General

SOURCE: Department of Defense, Manpower, Reserve Affairs and Logistics <u>Occupational Conversion</u> <u>Manual</u>. Defense Manpower Data Center, Alexandria, VA, 1977. DOD 1312.1 DA PAM 611-11.